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## NiceZyme View of ENZYME: EC 1.7.99.5

### Official Name

**5,10-methylenetetrahydrofolate reductase (FADH(2)).**

### Reaction catalysed

5-methyltetrahydrofolate + acceptor  $\leftrightarrow$  5,10-methylenetetrahydrofolate + reduced acceptor

### Cofactor(s)

FAD.

### Comment(s)

Formerly EC 1.1.1.68 and EC 1.1.99.15.

### Cross-references

BRENDA	<a href="#">1.7.99.5</a>
PUMA2	<a href="#">1.7.99.5</a>
PRIAM enzyme-specific profiles	<a href="#">1.7.99.5</a>
Kyoto University LIGAND chemical database	<a href="#">1.7.99.5</a>
IUBMB Enzyme Nomenclature	<a href="#">1.7.99.5</a>
IntEnz	<a href="#">1.7.99.5</a>
MEDLINE	<a href="#">Find literature relating to 1.7.99.5</a>
UniProtKB/Swiss-Prot	<a href="#">O67422</a> , METF_AQUAE; <a href="#">P57154</a> , METF_BUCAI; <a href="#">Q8KA62</a> , METF_BUCAP; <a href="#">Q89B13</a> , METF_BUCBP; <a href="#">P00394</a> , METF_ECOLI; <a href="#">P71319</a> , METF_ERWCA; <a href="#">P45208</a> , METF_HAEIN; <a href="#">P11003</a> , METF_SALTY; <a href="#">O54235</a> , METF_STRLI;

[View entry in original ENZYME format](#)

All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All ENZYME/UniProtKB/Swiss-Prot entries corresponding to 1.7.99.-

All ENZYME/UniProtKB/Swiss-Prot entries corresponding to 1.7.-

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